

FIG. 1A

1	ATG	AAG	GCT	TCC	AGC	CGC	TTC	AAG	GCA	CAC	CAG	GAT	GCA	CTG	CCA	CGG	TTG	CCC	54
1	M	K	A	S	S	R	F	K	A	H	Q	D	A	L	P	R	L	P	18
55	GTG	CCC	CCT	CTC	CAG	CAG	TCC	CTG	GAC	CAC	TAC	CTG	AAG	GCG	CTG	CAG	CCC	ATC	108
19	V	P	P	L	Q	Q	S	L	D	H	Y	L	K	A	L	Q	P	I	36
109	GTG	AGT	GAG	GAG	GAG	TGG	GCC	CAC	ACC	AAG	CAG	CTG	GTG	GAT	GAG	TTT	CAG	GCC	162
37	V	S	E	E	E	W	A	H	T	K	Q	L	V	D	E	F	Q	A	54
163	TCA	GGA	GGT	GTA	GGG	GAG	CGC	CTG	CAG	AAG	GGG	CTG	GAG	CGT	CGG	GCC	AGG	AAG	216
55	S	G	G	V	G	E	R	L	Q	K	G	L	E	R	R	A	R	K	72
217	ACG	GAG	AAC	TGG	CTG	TCT	GAG	TGG	TGG	CTC	AAG	ACC	GCC	TAC	CTC	CAG	TAC	CGC	270
73	T	E	N	W	L	S	E	W	W	L	K	T	A	Y	L	Q	Y	R	90
271	CAG	CCT	GTG	GTC	ATC	TAC	TCG	AGC	CCA	GGC	GTG	ATG	CTA	CCC	AAG	CAG	GAC	TTT	324
91	Q	P	V	V	I	Y	S	S	P	G	V	M	L	P	K	Q	D	F	108
325	GTG	GAC	CTG	CAG	GGT	CAG	CTC	CGA	TTT	GCT	GCC	AAA	CTC	ATT	GAG	GGT	GTG	TTG	378
109	V	D	L	Q	G	Q	L	R	F	A	A	K	L	I	E	G	V	L	126
379	GTT	TTC	AAG	GTC	ATG	ATT	GAC	AAC	GAG	ACC	CTG	CCC	GTG	GAG	TAC	CTG	GGG	GGG	432
127	V	F	K	V	M	I	D	N	E	T	L	P	V	E	Y	L	G	G	144
433	AAG	CCA	CTG	TGC	ATG	AAC	CAG	TTC	TAT	CAG	ATC	TTG	TCC	TCC	TGC	CGA	GTG	CCG	486
145	K	P	L	C	M	N	Q	F	Y	Q	I	L	S	S	C	R	V	P	162
487	GGC	CCC	AAG	CAG	GAC	ACA	GTC	AGC	AAC	TTC	AGC	AAG	ACC	AAG	AAG	CCT	CCC	ACG	540
163	G	P	K	Q	D	T	V	S	N	F	S	K	T	K	K	P	P	T	180

FIG. 1B

541 CAC ATC ACC GTG GTA CAC AAC TAC CAG TTT TTT GAG CTG GAT GTG TAC CAC AGT 594  
 181 H I T V V H N Y Q F F E L D V Y H S 198  
  
 595 GAC GGG ACA CCC CTC ACT GCG GAT CAG ATC TTT GTG CAG CTG GAG AAG ATC TGG 648  
 199 D G T P L T A D Q Q I F V Q L E K I W 216  
  
 649 AAC TCA TCC CTA CAG ACC AAC AAG GAG CCT GTG GGC ATC CTC ACC TCC AAC CAC 702  
 217 N S S L Q T N K E P V G I L T S N H 234  
  
 703 CGC AAC TCC TGG GCC AAG GCA TAC AAC ACC CTC ATC AAA GAC AAG GTG AAC CGG 756  
 235 R N S W A K A Y N T L I K D K V N R 252  
  
 757 GAT TCC GTG CGC TCC ATC CAG AAG AGC ATC TTC ACC GTG TGC CTA GAT GCA ACC 810  
 253 D S V R S I Q K S I F T V C L D A T 270  
  
 811 ATG CCC AGG GTC TCA GAA GAC GTG TAC CGC AGC CAC GTG GCA GGC CAG ATG CTG 864  
 271 M P R V S E D V Y R S H V A G Q M L 288  
  
 865 CAT GGC GGC AGC AGG CTC AAC AGC GGC AAC CGC TGG TTC GAC AAG ACG CTG 918  
 289 H G G G S R L N S G N R W F D K T L 306  
  
 919 CAG TTC ATC GTG GCA GAA GAT GGC TCC TGT GGG CTT GTG TAC GAG CAT GCT GCA 972  
 307 Q F I V A E D G S C G L V Y E H A A 324  
  
 973 GCG GAG GGC CCC CCT ATT GTC ACC CTT CTG GAC TAT GTC ATC GAG TAC ACG AAG 1026  
 325 A E G P P I V T L L D Y V I E Y T K 342  
  
 1027 AAA CCC GAG CTT GTG CGG TCT CCC ATG GTG CCC CTG CCC ATG CCC AAG AAG CTG 1080  
 343 K P E L V R S P M V P L P M P K K L 360

FIG. 1C

1081 CGG TTC AAC ATC ACC CCC GAG ATC AAG AGC GAC ATC GAG AAG GCC AAG CAG AAC 1134  
 361 R F N I T P E I K S D I E K A K Q N 378  
  
 1135 CTC AGC ATC ATG ATC CAG GAC CTG GAT ATC ACC GTG ATG GTG TTC CAC CAT TTT 1188  
 379 L S I M I Q D L D I T V M V F H H F 396  
  
 1189 GGA AAA GAC TTC CCC AAG TCG GAG AAG CTA AGC CCA GAT GCC TTC ATC CAG ATG 1242  
 397 G K D F P K S E K L S P D A F I Q M 414  
  
 1243 GCT TTG CAG CTG GCC TAC TAC AGG TTC TAC GGA AAG GAA TGT GCC ACC TAT GAA 1296  
 415 A L Q L A Y Y R F Y G K E C A T Y E 432  
  
 1297 AGT GCC TCC CTG CGC ATG TTT CAC CTG GGG CGC ACC GAC ACC ATC CGC TCG GGT 1350  
 433 S A S L R M F H L G R T D T I R S G 450  
  
 1351 TCC ATG GAC TCA CTC ACC TTT GTC AAG GCC ATG GAT GAC TCC AGC GTC ACC GAG 1404  
 451 S M D S L T F V K A M D D S S V T E 468  
  
 1405 CAC CAG AAG GTG GAG CTG CTG CGG AAG GCC GTG CAG GCC CAC CGA GGT TAC ACC 1458  
 469 H Q K V E L L R K A V Q A H R G Y T 486  
  
 1459 GAC CGG GCC ATC CGG GGG GAG GGC TTT GAT CGA CAC CTG CTG GGC CTG AAG CTG 1512  
 487 D R A I R G E G F D R H L L G L K L 504  
  
 1513 CAG GCC ATC GAG GAC CTG GTG AGC ATG CCC GAC ATC TTC ATG GAC ACC TCC TAC 1566  
 505 Q A I E D L V S M P D I F M D T S Y 522  
  
 1567 GCC ATC GGC ATG TAC TTC CAC CTC TCC ACC AGG CAG GTC CCT GCC AAG AAG ATG 1620  
 523 A I G M Y F H L S T R Q V P A K K M 540

FIG. 1D

1621 TGT CAT GTT CTT CGG GCC CGT GGT CCC CGA CGG GTA CGG TGT CTT TAT AAC CCC 1674  
 541 C H V L R A R G P R R V R C L Y N P 558  
  
 1675 ATG GAG GGC CAC ATC AAC TTC TCC CTG TCG GAC TAC AAA AGG TGG GGG GAG ACC 1728  
 559 M E G H I N F S L S D Y K R W G E T 576  
  
 1729 AAC GCC GCC CGC CTG GTG TAT TAC CTG GAG AAG GCG CTC CTG GAC ATG CGT GCC 1782  
 577 N A A R L V Y Y L E K A L L D M R A 594  
  
 1783 CTG GTG AAG AGC CAC CCC CGG GCC AAG TTC TTA GCC CCT AGG ACT CAG GCC TGC 1836  
 595 L V K S H P R A K F L A P R T Q A C 612  
  
 1837 CAA TGC CAC AGG CAA GCC CAC CCT AGG ATG GGC CAC CCA GGG ATC AGC TCC 1890  
 613 Q C C H R Q A H P R M G H P P G I S S 630  
  
 1891 TTG GTT CCC TCT TCC TTG GTT CCC TCT TCC CTG GTC CCC CCA ATT CTA CTG AGC 1944  
 631 L V P S S L V P S S L V P P I L L S 648  
  
 1945 CAC GGA CCG CAT CCT CCA GGG GGC TGC AGG CCC AGC CAA GTG CCT TCC GTG GGT 1998  
 649 H G P H P P G G C R P S Q V P S V G 666  
  
 1999 CAT CCC AGC ACC TGC CAG GGC CCG ACC TGG GGC TGA 2034  
 667 H P S T C Q G G P T W G \* 677